



PATENT

Case Docket No. AIP1.001CIP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : KWON, Seong-Ryong  
Appl. No. : 10/661,008  
Filed : September 11, 2003  
For : USE OF POLYPRENOL AND  
ITS DERIVATIVES FOR  
FACILITATING GROWTH OF  
PLANTS  
Examiner : Unknown  
Group Art Unit : 1614

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

2/20/04

(Date)

Mincheol Kim, Reg. No. 51,306

TRANSMITTAL LETTER


Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

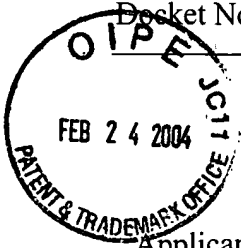
Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 with 11 references.
- (X) Return prepaid postcard.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.

  
Mincheol Kim  
Registration No. 51,306  
Agent of Record  
Customer No. 20,995  
(619) 235-8550

**INFORMATION DISCLOSURE STATEMENT**

Applicant : KWON, Seong-Ryong  
App. No. : 10/661,008  
Filed : September 11, 2003  
For : USE OF POLYPRENOL AND ITS  
DERIVATIVES FOR FACILITATING  
GROWTH OF PLANTS  
Examiner : Unknown  
Group Art Unit : 1614

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing 11 references that are also enclosed.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 2/20/04

By: 

Mincheol Kim  
Registration No. 51,306  
Agent of Record  
Customer No. 20,995  
(619) 235-8550

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
AIP1.001CIPAPPLICATION NO.  
10/661,008INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT  
KWON, Seong-RyongFILING DATE  
September 11, 2003GROUP  
1614

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE     | NAME             | CLASS | SUBCLASS | FILING DATE<br>(IF APPROPRIATE) |
|---------------------|-----------------|----------|------------------|-------|----------|---------------------------------|
|                     | 4,564,477       | 01/14/86 | Takigawa, et al. |       |          |                                 |
|                     | 4,668,820       | 05/26/87 | Ibata, et al.    |       |          |                                 |
|                     | 4,791,105       | 12/13/88 | Yamatsa, et al.  |       |          |                                 |
|                     | 4,886,904       | 12/12/89 | Tanaka, et a.    |       |          |                                 |
|                     | 5,012,018       | 04/30/91 | Tanaka, et al.   |       |          |                                 |
|                     | 5,077,046       | 12/31/91 | Tanaka, et al.   |       |          |                                 |
|                     | 5,714,645       | 02/03/98 | Asanuma, et al.  |       |          |                                 |
|                     | 5,981,811       | 11/09/99 | Ujita, et al.    |       |          |                                 |

## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|---------------------|-----------------|------|---------|-------|----------|-------------|----|
|                     |                 |      |         |       |          | YES         | NO |
|                     |                 |      |         |       |          |             |    |
|                     |                 |      |         |       |          |             |    |
|                     |                 |      |         |       |          |             |    |

| EXAMINER<br>INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)  |
|---------------------|---|
|                     | K. Hannus et al, Polyphenols in Pinus sylvestris needles, Phytochemistry, 13, 2563 (1974)   |
|                     | D. F. Zinkel et al, Terpenoids of Pinus strobus cortex tissue, Phytochemistry, 11, 3387 (1972).   |
|                     | B. Markus Lange, Isoprenoid biosynthesis: The evolution of two ancient and distinct pathways across genome, <i>Proc. Natl. Acad. Sci. USA</i> , 97:131712-131717, 2000. |
|                     |   |
|                     |   |

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021804

| EXAMINER   | DATE CONSIDERED |
|--|-----------------|
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. |                 |